

From boatanchors@sco.theporch.com Thu Apr 10 10:55:03 1997
From: eb5agv@ctv.es
Subject: * Manuals for postage (1) *
Message-ID: <1.5.4.16.19970410092506.37474f9e@192.168.0.1>

Hi BA people,

As I'm always asking for help to the list and _always_ get a positive feedback, I want to contribute a bit... So I am going to offer some manuals (not originals but good copies) only for postage (from Spain, it is the only drawback!). Here is the first list:

HP-200CD (not complete; two models, with octal and noval tubes)
HP-400D/H/L
HP-410B serial 5401 and above
Heathkit QF-1

(BTW, although not a tube item, I'm looking for manuals for the HP-5328A Universal Counter. Please, let me know if you have them)

Best regards.

JOSE

73 JOSE V. GAVILA (EB5AGV / EC5AAU)
46910 Benetusser - Valencia (IM99TK) SPAIN
*** PLEASE, VISIT MY HOME PAGE AT:
<http://www.geocities.com/SiliconValley/6992>
e-mail: eb5agv@ctv.es & eb5agv@amsat.org

From boatanchors@sco.theporch.com Thu Apr 10 10:55:03 1997
From: Mike Warren <m_warren@compuserve.com>
Subject: 0A2 life?
Message-ID: <199704100748_MC2-140E-5995@compuserve.com>

Hi Gang,

If the half-life of Kr85 is 10.5 years does that mean that 0A2's die a "natural" death after X number of half-lives? If so, how many?

Should I sort my VR tubes and use them based on age (i.e. use the oldest ones first)? (Assuming I can determine age!).

I always though VR's were pretty much GO/NO GO devices.

73,

Mike W5MAZ (in MN)
m_warren@compuserve.com

From boatanchors@sco.theporch.com Thu Apr 10 10:55:03 1997
From: bdhall@ghg.net (Benjamin D. Hall)
Subject: Re: 0A2 life?
Message-ID: <334CF5FF.27F0@ghg.net>

Mike Warren wrote:

> If the half-life of Kr85 is 10.5 years does that mean that 0A2's die a
> "natural" death after X number of half-lives? If so, how many?

Hi Mike and List: There was some discussion on this subject a couple of months ago which culminated in excellent post by Dr. Van Cleef (he has always been a Dr. to me too!) explaining how VR tubes work. I'm at work and cannot reference the post, but if I remember correctly, the radioactive stuff in them helped them "fire", and lowered the "firing" voltage. (VR tubes have a firing voltage, which is higher than the steady state voltage, which you must exceed to get the tube to start regulating)

I've got a whole pile of 0A2's, some marked with the "radioactive" symbol, and I cannot tell the difference in my sets. Some of them are marked with production dates from the 70's if I remember correctly, so I wouldn't loose too much sleep over it. I'd guess that with todays higher line voltages, it wouldn't be a problem. The geiger counter doesn't even blink when near these tubes either...

I'll tack on my comments regarding the most recent thread: People like Hank, Barry Ornitz, and Stan Griffiths contibute greatly to this list. Practical knowledge is good, but without a firm knowledge of theory it can only go so far. I find it hard to beleive any one would deride Hank, Barry, or Stan, these gentlemen know their stuff, and know it not only from years of schooling, but from years of experiance in the trenches. When Hank, Barry, or Stan talks - I LISTEN. I hope someday I'll be as intelligent, witty, and experianced as these three gentlemen.

73,

Ben

--

Benjamin D. Hall, Houston Texas - Junque collector extraordinaire.
E-mail: BDHall@GHG.net (home) -or- BHall@EMS.JSC.NASA.GOV

From boatanchors@sco.theporch.com Wed Apr 9 21:02:16 1997
From: Scott Robinson <spr@earthlink.net>
Subject: 0A2 lifetime
Message-ID: <334C2B79.2884@earthlink.net>

Folks,

Krypton 85 has a half-life of 10.4 years, according to the CRC handbook.

Regards,

/scott

From boatanchors@sco.theporch.com Wed Apr 9 21:02:16 1997
From: km1h@juno.com
Subject: Re: Barry Ornitz on milk carton?
Message-ID: <19970409.182747.12103.4.km1h@juno.com>

On Wed, 9 Apr 1997 16:29:15 GMT "Ray L. Mote" <rmote@rain.org> writes:
>Got concerned over lack of postings from our resident chemist,

Ray...please permit the following observation.

I did not realize that we had one. (Resident whatever)

There have been many interesting posts from very informed members over the past few months that would argue your statement. There is no one person that can play the role of "expert" ...it just does not wash in 1997. At least we have had the pleasure of reading opinions from informed and educated readers (over the past few months) without suffering from the "Not Invented Here" syndrome. Many have appreciated that benefit recently.

I for one have learned a lot over the past few months and thanks to the great diversity of this list. Reverting back to an egocentric format is not in anyones best interest. Mr "X" has absolutely no special privileges IMO.

73...Carl KM1H

From boatanchors@sco.theporch.com Wed Apr 9 21:02:16 1997
From: pmills@A.crl.com (Phil Mills)
Subject: Re: Barry Ornitz on milk carton?
Message-ID: <199704100117.AA14235@A.crl.com>

Dear Carl <expletive deleted here>

Since it was your violent personal attacks against Barry that drove him from the list, I think your e-mail is in the least very poor taste if not downright rude.

It appears that you are incapable of reading something and sorting good from bad, unreliable information from valuable, etc. That is your problem and not the problem of the rest of this list. A lot of us appreciated the various e-mails from Barry on a variety of subjects. They gave us things to consider and reflect on regardless of our opinion or knowledge.

As far as I'm concerned, you can take your <expletive deleted here, again> and stuff it where the sun don't shine.

73, Phil

>
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>

>73...Carl KM1H

>

>

Phil Mills, AB5TH	*****	WTB	12th edition	Radio Handbook	*****
pmills@a.crl.com	*****		14th	" " "	*****
281-992-5762 days	*****		16th	" " "	*****
Near Houston, TX					

From boatanchors@sco.theporch.com Thu Apr 10 10:55:03 1997

From: vancleef@netcom.com (Henry van Cleef)

Subject: Re: Barry Ornitz on milk carton?

Message-ID: <199704100528.XAA16201@netcom23.netcom.com>

As km1h@juno.com discourses

>

(I've snipped most of the original)

>

> On Wed, 9 Apr 1997 16:29:15 GMT "Ray L. Mote" <rmote@rain.org> writes:

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> Mr "X'" has absolutely no special privileges IMO.

>

> 73...Carl KM1H

>

Dear Carl:

I am going to do something that I rarely do, and only do when I feel reasonably sure I am on solid ground. I am going to speak for the silent majority of the participants on this list, and join with my friend Phil Mills, before that silent majority becomes overly vocal.

Dr. Barry Ornitz is a personal friend, as well as a competent chemist and electrical engineer, who used to post regularly here, and who answered a great many questions with informed information, and not just opinion. For some time I hear it said that Stan Griffiths and Barry Ornitz were two reasons for subscribing to this list, and a few have flattered me by including my name as a third.

Be that as it may, I have regretted that Barry has not been a participant for many months now. His departure coincided with a very vicious and unwarranted series of attacks on people with advanced

degrees, and on him in particular. You were the author of those attacks. And yes, you succeeded in doing something that I don't know how to do, you got him angry---enough so that he laid you out a bit, and enough to convince him to go fish in other ponds.

Your victim was not Dr. Barry Ornitz. He and I share a common affliction, if that is what it is. Allow me to post my signature file here, slightly altered to clarify matters.

=====
Henry H. van Cleef, Ph.D.
E-mail vancleef@netcom.com or vancleef@tmn.com
=====

The real victims of your actions were the 600 or so readers of this list, who no longer had Barry as a resource. You, sir, are not the arbiter of wisdom on this mail list. If you have had any role here it has been as a spoiler.

The fact that one has not only "gone to college" and "gotten a degree," but that one has gone far beyond undergraduate college and gotten the ultimate degree offered in formal education does not render us suddenly incapable of using a soldering iron or an oscilloscope effectively. Indeed, work for the doctoral degree has little or no bearing on being able to do such things. What it does mean is that we have learned a few things about doing our homework and checking things out that most folks don't generally consider, and may not know how to do. The degree itself is a waystation on a journey---you can take an airplane to an airport, catch a train to the nearest station, take a bus to the end of the line, and then to get to your destination you have to walk the rest of the way. That degree is the point at which one starts walking.

Our focus in this list is on obsolete technology. If someone has something to bring to the feast to share on the topic, that individual is welcome here, whether they are sixth grade dropouts or Ph.D.'s. Neither Barry Ornitz nor I are a couple of academic airheads. We work where the rubber meets the road. We get paid to put products on a shipping dock so they can be turned into accounts receivables. The bean counters take it from there. Our jobs are to lead from the front, and our managements put us in those positions and keep us there because we keep the bean counters busy collecting money. That, sir is reality for the man you are attacking. I am just a little less self-effacing than Barry, and a little more capable of talking in the same terms as the late great Thomas Hart Benton, and if you don't know who he was, read John Kennedy's "Profiles in Courage," which will give you a clue.

You claim to have worked for National Co. in their later years, and to have some quasi-authoritative knowledge of their products in those years. If so, then be a resource in this group and share what you know with people who can benefit from it. I've suggested that before, now I am telling you. Let the others, who have their knowledge in other fields, speak in their fields, and don't attack them.

I'm not the listowner, who will read this, and who may or may not have something to say. But I am going to be very blunt with you: one more attack on someone who is a real resource like Barry Ornitz, and I'll send an E-mail to the listowner suggesting it's time to pull the plug.

--

=====
Hank van Cleef
E-mail vancleef@netcom.com or vancleef@tmn.com
=====

From boatanchors@sco.theporch.com Thu Apr 10 10:55:03 1997
From: "Daniel H. Arney Jr." <kn6di@idt.net>
Subject: Re: Barry Ornitz on milk carton?
Message-ID: <334CD4C6.3967@mail.idt.net>

Henry van Cleef wrote:

>
> As km1h@juno.com discourses
> >
> (I've snipped most of the original)
> >
> > On Wed, 9 Apr 1997 16:29:15 GMT "Ray L. Mote" <rmote@rain.org> writes:
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> >
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> silent majority of the participants on this list, and join with my

> friend Phil Mills, before that silent majority becomes overly vocal.
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> Dr. Barry Ornitz is a personal friend, as well as a competent chemist
> and electrical engineer, who used to post regularly here, and who
> answered a great many questions with informed information, and not
> just opinion. For some time I hear it said that Stan Griffiths and
> Barry Ornitz were two reasons for subscribing to this list, and a few
> have flattered me by including my name as a third. participant for many months
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> vicious and unwarranted series of attacks on people with advanced
> degrees, and on him in particular. You were the author of those
> attacks. And yes, you succeeded in doing something that I don't know
> how to do, you got him angry---enough so that he laid you out a bit,
> and enough to convince him to go fish in other ponds.
>
> As Jack requested iSNIPPED A GREAT ARTICLE.
Hank that was a fantastic piece and says it all in a very wwell composed
and thought out statement.
"Hank" KN6DI

From boatanchors@sco.theporch.com Thu Apr 10 10:55:03 1997
From: Glenn Finerman <GFINER@nms.com>
Subject: Re: Barry Ornitz on milk carton?
Message-ID: <s34ccf44.083@nms.com>

I normally keep my mouth shut when I read stuff like this, but
what kind of crap is this??????????????

re> There have been many interesting posts from very informed
>members over the past few months that would argue your statement.
>There is no one person that can play the role of "expert" ...it just does
>not wash in 1997. At least we have had the pleasure of reading
>opinions from informed and educated readers (over the past few
>months) without suffering from the "Not Invented Here" syndrome.
>Many have appreciated that benefit recently. =20

You gotta be kidding!!, Barry IS in every sense of the word an expert!
His posts have been nothing short of informative useful and accurate!

GET A LIFE!!!!

From boatanchors@sco.theporch.com Thu Apr 10 10:55:03 1997
From: Jack Harper <jharper@bs2000.com>

Subject: Re: Barry Ornitz on milk carton? (van Cleef)
Message-ID: <199704101203.GAA16679@lynx.csn.net>

At 05:29 4/10/97 GMT, you wrote:

>As km1h@juno.com discourses
<snip>

>Dear Carl:

>

>I am going to do something that I rarely do, and only do when I feel
>reasonably sure I am on solid ground.

Amen...

<rather long snip>

>

>=====

>Henry H. van Cleef, Ph.D.
>E-mail vancleef@netcom.com or vancleef@tmn.com
>=====

Ha -- I knew it! You have always been "Dr van Cleef" to me -- now its
official...

>

<snip>

Happy Regards,

Jack, KC0LR (Friend to all things Hammarlund)

Jack Harper	Bank Systems 2000, Inc.
e-mail: jharper@bs2000.com	350 Indiana Street, Suite 800
voice: 303-277-1892 fax: 303-277-1785	Golden, Colorado 80401 USA

"21st Century Financial Applications"
Optical Cards for Bank, EBT, and Medical Applications
Visit our Web Page: <http://www.bs2000.com/talos> (Last Update: 970312)

1024-bit PGP crypto key with ID: 8FB07075 created 960728
Fingerprint: 75 DA 06 35 F8 3D AC EC 3A F2 7C 59 A1 11 A5 74
Key available from Public Key Servers and above Web Page

From boatanchors@sco.theporch.com Wed Apr 9 21:02:16 1997
From: Paul Nelson <drhydro@ames.net>
Subject: re: Collins antenna tuners
Message-ID: <l03010d02af71aebf3ee1@[206.29.126.197]>

The recent thread on Collins antenna reminds me that I have two that I'd like to have info on....

the first...a 180L-6 with a 309A-2E control box and connecting cable. I know this requires 28v and 115v400Hz, and have the power to run it... I need manuals etc.

the second... a CU-2275(V)2/ARC-190. This is a microprocessor-controlled coupler that's part of a currently- used set. A manual is desired! Or any info that would allow me to play with it....

Anyone have info on either of these goodies?

Paul Nelson W5GNF "When I go, I want to go quietly, in my
Ames, Iowa sleep, like my grandfather- not
screaming, like his passengers."

(DrHydro@ames.net)

Cessna 140 N77149 "More hay, Trigger?"
"No thanks, Roy, I'm stuffed."

From boatanchors@sco.theporch.com Thu Apr 10 10:55:03 1997
From: "Edward J. Zeranski" <ejz@nosc.mil>
Subject: re: Collins antenna tuners
Message-ID: <2.2.32.19970410151259.00d9a920@marlin.nosc.mil>

>The recent thread on Collins antenna reminds me that I have two that I'd
>like to have info on....

>the first...a 180L-6 with a 309A-2E control box and connecting cable. I
>know this requires 28v and 115v400Hz, and have the power to run it... I
>need manuals etc.

I dug out the manual for the SRA-22 which has been identified as a 180R-6. here are the Collins numbers that match the Navy designations. Just more numbers to throw out that might be of help in chasing other units or info:

Nav #	Collins #
Coupler group AN/SRA-22	522-1285-00
Coupler, Antenna CU-714/SRA-22	544-7293-00
Coupler Control C-2698/SRA-22	544-7294-00

Also opened up the '714, still looks new.

Ed Zeranski : ejz@marlin.nosc.mil, work / ezeran@cris.com, home
Wooden Boats, Tube Receivers, Rusty Old Trucks, The Good Stuff!
This is a private opinion or statement and is nobody's fault but mine.
No person, employer, or govt. should try to take credit for it!

From boatanchors@sco.theporch.com Thu Apr 10 10:55:03 1997
From: Scott Robinson <spr@earthlink.net>
Subject: Comments on the value of expertise
Message-ID: <v03007801af71adf95e95@[153.34.139.137]>

Folks,

I read a posting disparaging Barry Ornitz' expertise as if he were trying to put himself on a higher level than the rest of us. IN(not so)HO, this is a gross distortion of reality.

Real knowledge is a valuable and relatively scarce commodity. Combined with the willingness to share it freely with others, it's a real treasure. I am glad to see it wherever I can find it.

For example: although I am a professional electronics engineer, I read ALL of Hand Van Cleef's posts, because 1) they are interesting and very well written, and 2) I am very likely to learn something from them. The fact that he knows a lot has nothing to do with his inherent human worth, but it sure makes his postings worth reading. I feel the same way about Barry's remarks. I know a little chemistry, enough to appreciate real depth of understanding when I see it.

I am happy to read postings from knowledgeable people anytime. Distress in the face of information suggests a know-nothing attitude that is good neither for the individual experiencing it, his (her) family and community, nor his(her) country.

Regards,

Scott Robinson
spr@earthlink.net

"Buy a Velocette and enjoy those qualities that turn motor-cyclists into enthusiasts."

From boatanchors@sco.theporch.com Wed Apr 9 21:02:16 1997
From: Charles Knaack <knaack@wsu.edu>
Subject: Dekatrons - Free!
Message-ID: <103020904af71a6239458@[134.121.47.16]>

Hi folks,

Bill Hawkins mentioned Dekatrons for scalars and counters. I have a few NIB Baird-Atomic 10Bs that I'll send gratis to someone who needs them. Winners will be determined by the Rules of Ware. Let me know what you need 'em for.

Charles

Charles Knaack - ICP/MS and Stable Isotope analysis
GeoAnalytical Laboratory
Geology Department, Physical Sciences 1228
Washington State University
Pullman, WA 99165-2812
(509)335-6742, FAX (509)335-7816
knaack@wsu.edu, geolab@mail.wsu.edu
Visit our world wide web page at <http://www.wsu.edu:8080/~geology/>

From boatanchors@sco.theporch.com Wed Apr 9 21:02:16 1997
From: "Bowes, Fr. Bruce" <GBB1@MARISTB.MARIST.EDU>
Subject: Fox Tango filters addrss
Message-ID: <09APR97.13932654.0356.MUSIC@MARISTB.MARIST.EDU>

Does anyone have the address of the company in Florida (?) that makes filters for a TS 520s.

Tnx

Fr Bowes

From boatanchors@sco.theporch.com Wed Apr 9 21:02:16 1997
From: Al Klase <skywaves@bw.webex.net>
Subject: Re: Fox Tango filters addrss
Message-ID: <334BFF53.A1B@webex.net>

Bowes, Fr. Bruce wrote:

>
> Does anyone have the address of the company in Florida (?) that makes
> filters for a TS 520s.
> Tnx
> Fr Bowes
>From the ARRL web site:

FREE CATALOG! International Radio/Fox Tango, 8-POLE crystal filters for
Kenwood, Icom,
Yaesu, Drake, Heath & Collins. 3804 S. U.S. #1, Fort Pierce, FL 34982.
Phone orders taken Tuesday thru
Friday, 1:00 to 5:00 p.m., 561-489-0956. Send 55¢ SASE for free
newsletter sample until we run out.

--
Al Klase - N3FRQ
skywaves@bw.webex.net
Flemington, NJ

From boatanchors@sco.theporch.com Wed Apr 9 21:02:16 1997
From: Terry Burge <terrybu@netman.ENS.TEK.COM>
Subject: Re: Fox Tango filters addrss
Message-ID: <9704091840.AA11686@netman.ENS.TEK.COM>

They are now called International Radio & Computer, Inc. (IRCI),
3804 South U.S. #1, Fort Pierce, FL 34982, telephone (407) 489-0956,
FAX (407) 464-6386. Atleast as of July 1995 QST advertizing.
They are suppose to have back issues of the Fox Tango newsletter.
Might have a website by now. Good luck.

Terry
KI7M
(Of course I have no connection with IRCI, just bought a filter once and
was pleased with it)

From boatanchors@sco.theporch.com Wed Apr 9 21:02:16 1997
From: Dick Flanagan <dick@merlin.libelle.com>
Subject: Re: Fox Tango filters addrss
Message-ID: <v0302090daf7199582d76@[207.33.105.223]>

At 10:41 AM -0800 4/9/97, Terry Burge wrote:
>They are now called International Radio & Computer, Inc. (IRCI),
>3804 South U.S. #1, Fort Pierce, FL 34982, telephone (407) 489-0956,
>FAX (407) 464-6386. Atleast as of July 1995 QST advertizing.
>They are suppose to have back issues of the Fox Tango newsletter.

>Might have a website by now.

If IRCI =does= have a website, I would appreciate someone posting it. Thanks.

--

Dick Flanagan W6OLD CFII Minden, Nevada
Visit <http://wadg.greatbasin.net/siera/>

From boatanchors@sco.theporch.com Thu Apr 10 10:55:03 1997
From: Ronnie Hull <larebel@ms1.nwla.com>
Subject: G-stand wiring diagram
Message-ID: <1.5.4.16.19970409210203.086f029a@ms1.nwla.com>

Does anyone have a wiring diagram for an Astatic "G" stand?

if so, I would love to have a copy. You could mail it or
fax it to 318 687 3135

thanks in advance

Ronnie Hull - W5SUM
3131 Meadow Parkway dr.
Shreveport, La 71108

From boatanchors@sco.theporch.com Thu Apr 10 10:55:03 1997
From: "L. Mark Pilant - MS:ZK03-4/Y02 DTN:381-1529" <pilant@seesaw.ENET.dec.com>
Subject: Hammarlund HQ-170 debugging
Message-ID: <9704101258.AA04757@us2rmc.zko.dec.com>

Well, last night I was able to make a real bit of progress getting this
beast back into working order.

When I originally powered it up, there was no smoke. A very good sign :-)
However, there wasn't anything from the speaker :-(

While awaiting a manual/schematic, I decided to perform some simple signal
injection/tracing. With this, I was able to determine the AF stages, after
the limiter, appeared to be working fine. In addition, the RF from the
signal generator was making it through the first mixing stage, but no
further; and was not anywhere near as strong as I would have expected.
Hmmm...time to wait for the schematic :-(

After receiving the manual (from W7FG, I'm a happy customer :-), and doing

some more poking around I discovered a mod...sigh. A previous owner had added a jack on the back for a remote RF gain pot. However in doing so, the front panel RF gain was completely disabled (set to MIN!)

This appears to have been implemented by lifting the ground from the front panel pots and inserting a 3.3k resistor. A wire was then added from the resistor/pot joint to the rear panel connector. This is where the remote pot appears to have been connected. Does this mod sound familiar to anyone?

After undoing this mod I discovered two things:

- 1) The signal strength was back to where I thought it should be.
- 2) The rear portion of the dual pot was hosed :-(It was supposed to be 10k, and read about 50k for most of the rotation, then went quickly to zero :-(

Now I've run into the second problem: The signal is getting fine from the antenna connector through the 1st IF amp. However, from there it goes into an IF transformer but never comes out :-(The primary is intact, but I can't easily check out the secondary, as there is a blocking cap in series with the winding.

Can any of you HQ-170 owners/restorers give me an idea how common the IF transformers are to opening up?

So...the next order of business is to pull out the suspect IF can and open it up for inspection.

I also need to locate a replacement for the RF gain pot (1.5k/10k dual with on/off switch). Does anyone have one they would be willing to part with?

Thanks to all in advance.

73

- Mark N1VQW

From boatanchors@sco.theporch.com Thu Apr 10 10:55:03 1997
From: "Walt Novinger" <waltn@earthlink.net>
Subject: Help identify Victor radio
Message-ID: <199704100229.TAA05369@italy.it.earthlink.net>

We have recently acquired a very nice radio made by Victor Radio (no mention of RCA anywhere). It is a two-chassis unit; PS and power amp (marked "Amp Unit RS3) on lower chassis, receiver on upper. The tuning is quite unique (in our experience)...turning the knob causes the knob and shaft to move in a horizontal arc (through a slot on the front panel),

causing a pointer to move behind the celluloid dial scale. The receiver chassis has a large (ca. 5") cast metal plate that turns with the knob assembly...I haven't looked under the chassis yet to see what the plate turns.

The tube lineup is:

Receiver: 4 UY-224, 1 UY-227

PS/Amp: 1 UX-280, 2 UX245

The radio is originally Canadian, we believe. Any help identifying the old gal is greatly appreciated. A schematic and alignment instructions would _really_ be appreciated!

Thanks,
Walt

```
=====
Walt Novinger                      Real Radios Keep You Warm At Night!
Collector of hollowstate communications receivers and test equipment
waltn@earthlink.net                wnovinger@shl.com
```

From boatanchors@sco.theporch.com Thu Apr 10 10:55:03 1997
From: eb5agv@ctv.es
Subject: HELP needed: RME-152A
Message-ID: <1.5.4.16.19970410092504.37477470@192.168.0.1>

Hello BA gang,

I have the opportunity to get a RME-152A from a list member and I would like to gather information about that unit, as which equipment is usually hooked to it and the applications of this converter. I'm also looking for a suitable manual and schematics and whichever additional information is available. I should pay shipping to Spain, which I guess would be three times the cost of the converter, so I want to be sure of what I'm going to buy 8-) !

Thanks and best regards.

JOSE

```
-----
73 JOSE V. GAVILA (EB5AGV / EC5AAU)
46910 Benetusser - Valencia (IM99TK) SPAIN
*** PLEASE, VISIT MY HOME PAGE AT:
http://www.geocities.com/SiliconValley/6992
e-mail: eb5agv@ctv.es & eb5agv@amsat.org
-----
```


From boatanchors@sco.theporch.com Wed Apr 9 21:02:16 1997
From: "A. B. Bonds" <ab@vuse.vanderbilt.edu>
Subject: How big is a 6C21?
Message-ID: <1997Apr09.165820-0500@spike.vuse.vanderbilt.edu>

I have a 6C21 (by Machlett). Its origins are shrouded in the mists of time. I know how big it is physically (which is pretty big), but what was it for? Some kinda gonzo power triode....

Inquiring minds want to know.
A. B. Bonds

From boatanchors@sco.theporch.com Wed Apr 9 21:02:16 1997
From: Mike Toneri <toneri@ils.net>
Subject: Re: How big is a 6C21?
Message-ID: <199704100015.TAA29091@server1.ils.net>

At 09:58 PM 4/9/97 GMT, A. B. Bonds wrote:

>I have a 6C21 (by Machlett). Its origins are shrouded in the mists of
>time. I know how big it is physically (which is pretty big), but what
>was it for? Some kinda gonzo power triode....

>

>Inquiring minds want to know.

>A. B. Bonds

>

There is a circuit for a 1 kw plus amplifier in an old 73 magazine (1962 ?) that uses the 6C21.

73...Mike VE3FGU

Mike & Lynda Toneri E-mail: toneri@ils.net

From boatanchors@sco.theporch.com Wed Apr 9 21:02:16 1997
From: km1h@juno.com
Subject: Re: How big is a 6C21?
Message-ID: <19970409.201840.12103.6.km1h@juno.com>

Hi Alan..you are going to have to somewhat play this one by ear.
That 6C21 was "basically" a pulse tube and is even still listed in Eimac

literature.

For ham use it has been variously compared to the 450T or 750T but if you go by the book it is all by itself. The old timers referred to it as a 450T with a 750T attitude.

Bill Orr and others wrote articles about its use for SSB service back in the 60's. I have some literature I will send you if you want. I would have to dig out the specs to ascertain if it was a H or L type.....forgot which.

It is also a 1997's tube for serious AM modulator service among that group where it is known as the 600T (H or L ??).

73...Carl KM1H

On Wed, 9 Apr 1997 21:58:48 GMT "A. B. Bonds" <ab@vuse.vanderbilt.edu> writes:

>I have a 6C21 (by Machlett). Its origins are shrouded in the mists of
>time. I know how big it is physically (which is pretty big), but what
>was it for? Some kinda gonzo power triode....

>

>Inquiring minds want to know.

> A. B. Bonds

>

>

From boatanchors@sco.theporch.com Wed Apr 9 21:02:16 1997

From: "Mike O'Brien" <mobrien@lib.drury.edu>

Subject: Hytron tubes

Message-ID: <Pine.A32.3.96.970409164727.36008B-100000@lib.drury.edu>

I arrived home from work today to discover that an as-yet-unidentified benefactor had left me two apparently NOS tubes manufactured by the Hytron Co. of Salem, Mass. The boxes and packing are crumbly, but the tubes look fine. One is a 5516, the other a HY75. My tube reference materials are boxed away due to a house remodeling project. Anybody out there have a clue about applications and/or specs on these two cute little fellers? A quick glance indicates they probably are transmitting PA tubes...

73, Mike, K0MYW

From boatanchors@sco.theporch.com Thu Apr 10 10:55:03 1997

From: Mike Warren <m_warren@compuserve.com>

Subject: I-177 manual(s) for trade/questions

Message-ID: <199704100747_MC2-140E-598A@compuserve.com>

Hi Gang,

I have a question that maybe one of you military manual experts (and I believe there are definitely experts on this list) can answer.

I purchased a nice I-177B military tube tester via mail order. I has the "Tube Test Data Cards" setup book in the cover, but no "real" manual. The nomenclature on the Data Cards book is TB 11-2627-2/T0 16-40I177-6 dtd 5 Oct. 1953. I'm a fanatic for having manuals for the equipment I own. In fact, I've been known to pay \$15 for a manual for a \$10 hamfest goodie.

Anyway, I went out and found not one, but two, original "real" manuals -- BUT -- they are for the "plain" I-177 (no "B" on the end). The manuals I have are:

- 1) Army Air Force T.O. No. 16-40I177-3 dtd 30 Sept. 1945; "Handbook of Maintenance Instructions for I-177".
- 2) War Department TM 11-2627 dtd 3 Aug. 1944; "Technical Manual for I-177". With this one is also a TB 11-2627-2 dtd 30 Oct. 1946, "Tube Test Data Cards" (the one that goes in the lid).

So, the question is "Is there a 'real' manual for the I-177B?" Anybody got one or a copy that they would trade for either of the ones that I have?

Thanks and 73,

Mike W5MAZ (in MN)
m_warren@compuserve.com

From boatanchors@sco.theporch.com Thu Apr 10 10:55:03 1997
From: Tom Norris <badger@telalink.net>
Subject: In defence of Barry Ornitz
Message-ID: <3.0.1.32.19970410085955.0070ff98@telalink.net>

I agree with most of us that Carl's comment was akin to an attack on Barry. I have always enjoyed Barry's posts in the past, and he is a very well informed Chemical Engineer and Electrical Engineer. He has always taken the time to help me with any questions in those two fields, and is of those guys that I always seemed to learn something from.

Think maybe we can raise a fund to bribe him into spending time again on the list?

BTW, will be gone for the next 4 days in the land of the net-less, but the computer is set up the get my mail periodically while I'm gone - so if you wanna reply/flame/cannonize me it will be the first of the week

before you get a reply.....

badger@telalink.net

If an infinite number of rednecks riding in an infinite number of pickup trucks fire an infinite number of shotgun rounds at an infinite number of highway signs, they will eventually produce all the world's great literary works in Braille.

From boatanchors@sco.theporch.com Wed Apr 9 21:02:16 1997
From: dfrancis@iex.net (Dexter Francis)
Subject: Just when you thought you were safe...
Message-ID: <v01520d03af718796e401@[207.0.57.74]>

I'd been sort of following the discussion on wire color codes, thinking to myself, nah, it'll never happen to me, and surprise, surprise, this morning I was stripping the outer jacket insulation off a power cord that I'd salvaged off of a "Little Green Machine" and what do I find but *Brown, Blue and Yellow with a Green stripe*. Here, in America! Needless to say, I ohmed it out before hooking it up to the armored plug I was attaching to it. I guess it just proves that you never know when an emerging new standard will poke up it's pointy little head....

BTW, the power cord I was building up was for use on a TS-538A/U Test Set. Which appears to be a 1650 to 1750 mHz oscillator for use with...what? Any ex-radar testers out there?

-df

* CWest Tube Sales - P.O. Box 22443 SLC, UT 84122 *
* (801) 363-TUBE voice/fax, E-mail: tubes@usa.net *
* For a current listing of New and Used Tubes try *
* http://www.usa.net/~dfrancis/CWest_Tube_Sales.html *

From boatanchors@sco.theporch.com Wed Apr 9 21:02:16 1997
From: "Gary F. Franklin" <franklin@net-link.net>
Subject: KWS-1 HV Plate Fuse (1 amp) Needed
Message-ID: <334C3C1D.5748@net-link.net>

Does anyone know of a source for the 1 amp HV plate fuse used in the KWS-1 power supply? F506 Collins part# 264 0252 00. The one I pulled is a Buss Fuse, HVB1 about 4 inches in length, 1/4 inch diameter

are there any substitue solutions???

gary K8BKB
franklin@net-link.net

From boatanchors@sco.theporch.com Wed Apr 9 21:02:16 1997
From: djhutch@concentric.net
Subject: Missouri Help Needed
Message-ID: <334C0B12.2B89@concentric.net>

I need help from a central Missouri ham in making a pickup with Don from the Bighorn museum. Anyone interested in helping out please e mail me directly. I'd be happy to buy lunch & pay gas for anyone willing to help me on April 27th.

Thanks,

Dava K9HT

From boatanchors@sco.theporch.com Wed Apr 9 21:02:16 1997
From: Nathalie Guibert <nguibert@middletown.total.net>
Subject: MK 111 Suitcase
Message-ID: <1.5.4.16.19800103115354.1d7781ac@middletown.total.net>

Bonjour (Hi)
My dying French grand papa gave me an old
beatup suitcase with a kind of radio built in.
No manufacturer's name only MK 3 and a serial no.
It looks spooky to me. Anybody can tell me about it
A gratefull petit fils
Andre Guibert

From boatanchors@sco.theporch.com Wed Apr 9 21:02:16 1997
From: Ronnie Hull <larebel@ms1.nwla.com>
Subject: Mod Problems
Message-ID: <1.5.4.16.19970409164051.1c3f0260@ms1.nwla.com>

okey dokey.. new problem. Got the correct plug for the microphone, for the RangerII. wired up the D104 I recently swapped for, no mod at all. I have the idling mod current, about 60 mils... but no kick when I speak in the mic, when the panel meter is in the mod or plate current position.

Im having a bad week with things I have traded for.

appears the mic element in the D104 is dead.

so, back to square one (I just KNEW I would be on 3885 AM
about 5am tommorrow... sigh...)

Does anyone out there have a D104 or 10DA complete with stand
and is already wired for a Johnson, and is working? Or, NOT wired
for a Johnsaon, but known to work?

Also...

I need a 20K ohm coil relay, dpdt, to put in the Ranger to
convert it to Ptt.

anyone have one of these jewels?

Ronnie

From boatanchors@sco.theporch.com Wed Apr 9 21:02:16 1997
From: Pete McCollum 09-Apr-1997 1202 -0600 <mccollum@ssdevo.UNET.dec.com>
Subject: more RS-6 data trickles in...
Message-ID: <9704091802.AA01014@us3rnc.pa.dec.com>

Following is my reply to Hue's reply to my reply, etc...

>(H.M.: i don't see a lot of indications -yet- that it was actually
>used by anyone but SAC. Altho we might learn more.)

I got a note from Keith Melton on this topic, and I sent him a follow-up
question. But, so far Keith says that RS-6 *was* first a B-47 crew radio,
and that it was adopted by CIA. He also says that CIA bought them in
much larger numbers than SAC did, and that most of the ones 'out there'
today will be the CIA units. I will report back when Keith responds to
my additional questions.

>Apparently the B-47 crew would locate near
>a meadow of field where the rescue plane would land. This was
>practiced at various high meadow sites in Colorado, for example.

One site was probably near Leadville. They have a 10,000 MSL runway up there
(Camp Hale). Some retired CIA folks told me about doing various training
exercises in that area.

> >By this time, early 1950s,

> >regular communication of data by secret agents via HF radio
> >was surely suicidal.
>Nope, not really. Consider:
> - Many "real-world" operations at that time involved places like Tibet,
> *not* downtown Moscow. In my interview with Bob Olsen (retired CIA
> radio op), he was personally training folks on the RS-1 until 1958.
> - Special Forces used RS-1s/GRC-109s *all through* Vietnam, and beyond.
> They did this because it was solid and reliable (according to Bergen).
> - Gadgets like the GRA-71 existed so that you didn't have to stay on
> the air any longer than necessary.
> - CIA had specific numbers worked out for how long you could stay on
> the air before the bad guys could RDF you.
>(H.M.: granted on the first part, operation from remote areas. Objection
>to second part: the Special Forces was not a spy agency!

The part that I was rebutting was the 'suicidal' part - implying that an RS-6 *type* radio would not have been used by spy-types. My point was that old-fashioned HF CW was commonly used all over the place all through the '60's, and probably into the '70's. It was used by CIA folks, and by S.F. guys in Vietnam.

>(H.M.: Tony Grogan sez this RS designation is NSA-type nomenclature started at the end of the OSS era. Also he suggests it be called "clandestine radio" instead of "spy radio" which appears to me a wise solution.)

Agreed - sounds good to me.

>(Re the "untold thousands" reference: not likely. Anyone
>guess? I guess under a thousand, or maybe up to a thousand.

I've collected serial numbers that vary from about 3000 to about 6000. The RS-6 and RS-6A manuals specifically mention the following numbers: 33, 2001, 2614, 9750. The highest number I've seen is 6592.

>Were encryption devices also given away free? I doubt it. I
>suspect those that found their way to collectors left the
>military by <theft> from obsolete items storage. insert your own
>terminology in the brackets, e.g. "walking away", "bestowed as
>remembrance", etc.)

Michael Baranosky was just telling me the other day about bizarre stuff that is done in official govt auctions. He said he knew of 500 GRC-109 sets that were 'crushed'. Meanwhile, they sold 1980's-vintage crypto terminals! He's had a bunch of RS-6 sets over the years, and he got them at official auctions (at places like Tobyhana).

>but you should have

>black plastics pouches to keep them from getting
>scratched, or lacking these slip them into plastics
>sandwich bags.

A note on storage of RS-6s: After long-term storage, the rubberized-cloth bags will damage the markings on the boxes, and leave a nasty scum...
If you use modern plastic, stay away from vinyl-based plastics.
For RS-6 boxes, try comic-book covers - they're just about the right size, and they're a relatively safe type of plastic.

Pete

From boatanchors@sco.theporch.com Wed Apr 9 21:02:16 1997
From: Ho4bart@aol.com
Subject: Re: more RS-6 data trickles in...
Message-ID: <970409161547_-500987051@emout03.mail.aol.com>

In a message dated 97-04-09 14:43:02 EDT, mccollum@ssdevo.ENET.dec.com (Pete McCollum 09-Apr-1997 1202 -0600) writes:

<<

A note on storage of RS-6s: After long-term storage, the rubberized-cloth bags will damage the markings on the boxes, and leave a nasty scum...
If you use modern plastic, stay away from vinyl-based plastics.
For RS-6 boxes, try comic-book covers - they're just about the right size, and they're a relatively safe type of plastic.

>>

good advice! and just one caution, possibly, on those serial numbers:
it seems to me that the more "spooky" the equipment, the more likely the serial numbers are bogused, the better to deny your enemy any modicum of a clue as to total numbers 'out there'. (one can see a little of this in some early WW2 Navy aircraft radios with effaced production dates and /or serial numbers on nameplates. this was mentioned also in "USN Electron" but sorry i don't recall specifics, and their index is not very useful. hue

From boatanchors@sco.theporch.com Thu Apr 10 10:55:03 1997
From: David Medley <davemed@worldnet.att.net>
Subject: My R390A project
Message-ID: <3.0.32.19970409202701.006cc23c@postoffice.worldnet.att.net>

Well I now have a nice R390A up and running. It looks great and works as well as the EAC unit I have here. Actually it works and sounds better. My final adventure with this radio was with the RF unit. When I started to go through the alignment I found the mechanical/electrical synchronisation was way off and furthermore when I tried to correct this I found several of the

collars which clamp the gears to the camshafts were rusted tight and the hex slots had been damaged beyond repair by someone trying to loosen these things. Wow what a disaster. Anyway believe it or not I took a deep breath, removed the RF unit and stripped the gearbox down completely in accordance with the 5th echelon procedures in the manual. I have no fear of mechanical things so this turned out to be a lot of fun. I found some interesting things like the little wheels on the cam followers were totally gummed up with gunk and some of the gears were badly rusted as well as the adjusting screws. So with the aid of Dick Walser I obtained some new bits and pieces. I cleaned everything completely and then carefully reassembled it following the 5th echelon procedures. I sparingly lubricated each piece as I went and now I have an RF unit that you wouldn't believe. It looks shiny new and it works S0000 smoothly.

You can almost spin the KHz knob like the old Hallicrafters. I think it would if it had a flywheel. Just a joy to behold.

This was a Collins made unit and one thing that surprised me was the poor quality of some of the components. You would have thought that stainless steel hardware would have been used to prevent the extensive rusting that I noted.

Anyway now I feel like I would like to find a real basket case like the ones that are being sold by the Govt out in VA and restore it!!

The radio is really a fun thing to work on.

Thats my report for today

Dave

From boatanchors@sco.theporch.com Wed Apr 9 21:02:16 1997

From: leeboo@ct.net (Leon Wiltsey)

Subject: NEED SCOPE BAD

Message-ID: <199704092220.SAA10030@blue.ct.net>

>To: GB

>From: leeboo@ct.net (Leon Wiltsey)

>Subject: NEED SCOPE BAD

>Cc:

>Bcc:

>X-Attachments:

>

>Hi gang;

>

>I cant believe nobody out there has not got an old Heathkit

> or layafette or knight kit scope they do not want to part with.

>how about it are there any cheepo scopes available.

>

Thank the good LORD for all that you have!!!

Leon B Wiltsey jr. (Lee)

68yr old retired semi disabled senior
(stroke got my balance and coordination)
formerly w4kcj & kp4ryb (till I quite) dumb dumb
play keyboard and sing
music 1920's to 60'
none of the 80'S- 90'S noise

From boatanchors@sco.theporch.com Thu Apr 10 10:55:03 1997
From: arc5@ix.netcom.com
Subject: NIXIE Mania!
Message-ID: <19974920534346334@ix.netcom.com>

Whew! Just to let you folks know your odds.
I have received over !fourty! requests.
Stephanie will draw a name or two tomorrow.
If you don't hear from me tommorrow night,
it went to someone else.

I wish I had fourty boxes to send out, guys.
This is the best way I can think of to give
everyone a fair chance. "First come" is
unfair to working people and digest readers, IMHO.

73 DE Dave AB5S

From boatanchors@sco.theporch.com Thu Apr 10 10:55:03 1997
From: midshires@cix.compulink.co.uk (Andrew Emmerson)
Subject: Nuvistors for sale
Message-ID: <memo.304159@cix.compulink.co.uk>

Rationalisation here (posh word for tidying up) means I have some
new-in-box nuvistors for disposal.

Three RCA 8056s in packaging that looks as if it was designed either for
two or four tubes. Someone has squeezed two new nuvistor sockets in as
well.

Six Hitachi 6CW4s, individually boxed.

Selling at cost price, UKP 5 each. Multiply by 1.6 for dollars. Postage at cost (not much for these lightweights!) Dollar bills acceptable.

73, Andy G8PTH.

From boatanchors@sco.theporch.com Thu Apr 10 10:55:03 1997
From: arc5@ix.netcom.com
Subject: Open Letter to Hank Van Cleef
Message-ID: <199741005527511478@ix.netcom.com>

Hank,
I'm concerned and disturbed by this thread concerning Barry's disappearance from the list. I don't read every post and didn't read any of the nasty exchanges reported.

You and I have had a cross word or two in the past concerning some things going on in academe in these times, particularly concerning the young grads now in charge of our national treasures. I took irritated exception to these people re-writing history into what I believe to be P.C. propaganda. You took my words as a blanket attack against all academe, which is perfectly understandable given my frustration level at the time.

As I said, I don't read every post, so this reported thread against Barry is a surprise.

Let me state to you and openly to the list that, if my posts were in any way the starting-point for this negative thread against Barry, I most sincerely regret that and in no way support such an idea. The politically-correct follies of the young grads running some of our national institutions do not reflect the attitudes of all academics everywhere.

You and I can each be gruff and opinionated at times, Hank, but that is the way of intelligent people with a need to contribute of themselves. An occasional horn-locking is probably healthy. I have the utmost respect for the knowledge and contribution people such as yourself, Stan and Barry bring to this list, and in no way wish to be associated with any effort to keep Barry

out of our fellowship.

Sincerely,
Dave Stinson AB5S

From boatanchors@sco.theporch.com Wed Apr 9 21:02:16 1997
From: Ronnie Hull <larebel@ms1.nwla.com>
Subject: parts Valiant
Message-ID: <1.5.4.16.19970409163413.1c3f237a@ms1.nwla.com>

howdy guys

well here's the skinny on the parts Valiant. I had many offers to buy the whole thing. BUT... I have also had MANY requests for parts. Im going to part this chassis out. My reasons are thus: I would rather contribute to the restoration and "on the air" use of several Valiants, than to just sell this one and have it (ONE) valiant put back on the air.

may sound stupid to some of ya'll...

oh well..
anyway, the VFO dial, main cabinet, HV & Mod xfirmr's, RF tank circuit, and mod control are all spoken for. Doesn't leave much!

anyone want the left over carcass?

Ronnie

From boatanchors@sco.theporch.com Wed Apr 9 21:02:16 1997
From: Walter Dail <dail@CEBAF.GOV>
Subject: R-390A Gov. Auction
Message-ID: <1.5.4.32.19970409194240.0067dee0@jlab.org>

Hello All,

I just got back from the gov. auction at St. Juliens Creek Annex in Portsmouth, VA. I saw the pallets of R-390A's. No tags were on the front panels but the back said EAC on most. They were in sad shape. I wouldn't give \$100 for the lot. It's really hard looking at such great receivers in a "scrap heap". They must have sat out in the rain for a couple of years they looked so bad. Some still had meters

although most were removed. I doubt you could get one working out of the whole bunch. I turned the tuning knobs and there was plenty of sand in the gears.

Sorry to sound so depressed, it was really easy to get that way looking at all that. See you all at the Raliegh,NC Hamfest.

Later,
Walter Dail - KT4JA

From boatanchors@sco.theporch.com Thu Apr 10 10:55:03 1997
From: arc5@ix.netcom.com
Subject: Re: R-390A Gov. Auction
Message-ID: <1997410070519169@ix.netcom.com>

> They must have sat out in the
>rain for a couple of years...
>I turned the tuning knobs and there was
>plenty of sand in the gears.

Walter/All:
It's very safe to say that those rigs were in at least recoverable shape when they were first palletized. And it's also safe to say that was probably 10-12 years ago, at least.

I wrote a slightly sarcastic article about the sad state of affairs in government surplus clonings some time back. Having spent nearly 15 years at that great devourer of taxpayer assets, The Nevada Test Site, I've watched many a fine boatanchor slowly dissolve into a heap of rat droppings.

In short; you can just about forget getting anything like the steady flow of useable gear that came out to schools, hams and MARS from the end of WW-II all the way up into the late 70's. Government's methods of handling surplus are the same as anything else they do-- they've swallowed so much garbage (mismanagment) that they're bound-up, can't move...constipated! There are so many ridiculous hoops to jump through and its so costly, that it's easier just to let it rot.

I know that of which I speak; We've been trying to get surplus commercial gear out of our

shop loading dock for not one, not two but
three (count'em! Three!) years! We've yelled,
pleaded, begged and even stooped so low as
to submit memos. Nothing helps. Everytime
we get really loud, they send over a crew of
two or three sullen bean-counter-droids.
They spend days and baskets of dollars
inventorying and cataloging that which has
long been declared trash-- an exercise in
futility I *still* don't understand-- and
sticking a new color of sticker or spraying
a new, gooey clot of inventory-paint across
the most critical dials and meters.
They also make sure that no single piece of
gear has more then 20% of its pieces-parts,
books, cords etc. in the same lot. If you
want a working KWM-2, you buy the radio innards
in lot 607, where it is packed with used condom
dispensors. The case is in lot 403, which also
contains ninety-seven broken desk lamps and a spittoon.
All the cords, cables and connectors have been
thrown on the "general scrap" pile to be
sold for eight cents a pound.
The bean-o-droids then mumble something about
"lunch" and fade into oblivion. Once they do get
to the "resource redistribution" yard, meaning
"scrap heap," they typically sit out in the
rain, snow, sandstorms and bugs for 5-9 years
before someone actually does the paperwork
to get them sold. And no, I'm not overstating
the case. I couldn't...they don't make words
bad enough to describe Uncle Stupid's wrecking-
yard follies. Truly, your tax dollars at work!

73 Dabe RFtll

From boatanchors@sco.theporch.com Thu Apr 10 10:55:03 1997
From: Ho4bart@aol.com
Subject: Re: R-390A Gov. Auction
Message-ID: <970410103618_144413163@emout19.mail.aol.com>

In a message dated 97-04-09 16:25:17 EDT, dail@CEBAF.GOV (Walter Dail)
writes:

<< I saw the pallets of R-390A's. No tags were on the
front panels but the back said EAC on most. They were

in sad shape. >>

For my own information, possibly to include as an example in letters to politicians, I wonder:

- 1) how many receivers are we talking about here?
- 2) what would you expect them to sell for, in as-is but stored indoors condition?
- 3) what do you expect they will sell for now?

as you surmise, I am interested in getting a rough figure for how much money was lost in this example of government malfeasance.
after all, the inexhaustible money tree these grubs are shaking is: us.

appreciate any input, thanks.
hue miller

From boatanchors@sco.theporch.com Wed Apr 9 21:02:16 1997
From: k7sz@juno.com (Rich H Arland)
Subject: R-392 Info
Message-ID: <19970410.012725.6967.2.K7SZ@juno.com>

Tnx to all who responded with info on the R-392s that I "thought" were for sale.

In fact, they were located near Harrisburg, PA and had been sold about 3 months ago to two hams in the Mosaic, PA area. They were complete units with all cables, and matching T-195 transmitter and dynamotor power supply. All four units were sold to these two guys.....\$250 a pop!

>From what I understand both of these guys do a lot of BA buying in this area. Gonna have to find them!

73 es tnx again.

rich K7SZ

From boatanchors@sco.theporch.com Wed Apr 9 21:02:16 1997
From: k4pf@juno.com (Edward J. Knobloch)
Subject: Radioactive 0A2 voltage regulator tube
Message-ID: <19970409.162240.7751.1.K4PF@juno.com>

In going through some spare tubes, I noticed

that the 0A2 box has the "radiation" symbol,
with the notation "Kr 85".

I suppose Krypton 85 is a beta emitter, to help the gas
in the tube ionize, but I wonder what breakdown
elements subsequently appear, and if they are gamma emitters.
Is this something to worry about, or is radiation
from this source "lost in the noise" of a normal
environment? What is the half life of Kr 85 -
will my 0A2 flicker out of life?

73,

Ed Knobloch k4pf@juno.com

From boatanchors@sco.theporch.com Wed Apr 9 21:02:16 1997
From: "D. Ragsdale" <doragsda@polymail.cpunix.calpoly.edu>
Subject: Re: Radioactive 0A2 voltage regulator tube
Message-ID: <199704092257.PAA18235@monet.artisan.calpoly.edu>

Kr 85 has a half-life of 10.72 years, decays by beta emission with
associated gamma radiation (almost all beta emitters also emit a gamma ray
when they decay). Daughter product is Rb 85 which is stable (non radioactive).

I wouldn't lose too much sleep over potential exposures resulting from the
use of a 0A2 tube. If I remember I'll check the radiation level next time I
fire up a radio with one in it.

Dave

At 10:13 PM 4/9/97 GMT, you wrote:

>In going through some spare tubes, I noticed
>that the 0A2 box has the "radiation" symbol,
>with the notation "Kr 85".

>

>I suppose Krypton 85 is a beta emitter, to help the gas
>in the tube ionize, but I wonder what breakdown
>elements subsequently appear, and if they are gamma emitters.
>Is this something to worry about, or is radiation
>from this source "lost in the noise" of a normal
>environment? What is the half life of Kr 85 -
>will my 0A2 flicker out of life?

>

>73,

>

>Ed Knobloch k4pf@juno.com

>
>

David Ragsdale, R.E.H.S. Risk Management
California Polytechnic State University, San Luis Obispo, CA
du651@oasis.calpoly.edu or doragsda@cymbal.aix.calpoly.edu

From boatanchors@sco.theporch.com Thu Apr 10 10:55:03 1997
From: John Shriver <jas@shiva.com>
Subject: Re: Radioactive 0A2 voltage regulator tube
Message-ID: <199704101516.LAA25419@shiva-dev.shiva.com>

It's the MIL versions of the 0A2 (and other VT tubes) that have the Kr 85, if I remember right. It improves the reliability of starting of the tube. Particularly in the dark. Particularly when running it at a low current, without a lot of extra voltage. The decay of one atom provides the impulse to strike the arc, since there are no photons handy.

It doesn't make them any more accurate or reliable once they start.

Also, I suspect all the VR tubes with radioisotopes in them don't emit any meaningful radiation -- unless you smash them. AT&T had many tubes with some radioisotopes in them, the only "issue" was proper disposal. You could smash one or two dead ones a day at a phone exchange with no problem. But, if you had to dispose of 1000 of them when you replaced equipment, that was an issue.

(Most of the WECO VR tubes have radioisotopes. Some are spectacularly accurate. Exotic metals and fancy construction.)

From boatanchors@sco.theporch.com Wed Apr 9 21:02:16 1997
From: Nick England <nick@cs.unc.edu>
Subject: Raleigh NC hamfest
Message-ID: <199704091759.NAA08524@altair.cs.unc.edu>

One of the Southeast's larger hamfests is coming up this Sunday (SUNDAY! SUNDAY! BE THERE!) at the State Fairgrounds (Graham Building) in Raleigh NC. Send me e-mail if you need directions.

World famous Boatanchor Bob NA4G is almost always there as are a number of us other crazed and fanatical boatanchorites. I'll have a table marked by a green sign saying "WANTED Tube-Type Kits", but will most likely be wandering around looking at other folks junk. I'll try to put

out a sign-in sheet on the table. How about a 10 AM get-together near the hot dog stand in the rear of the building (the end away from the new-gear dealers) ??

I'll be wearing a cap that says "Mr. Heathkit".

See ya' there,
Nick KD4CPL

Nick England KD4CPL nick@cs.unc.edu Univ. Of North Carolina
http://www.cs.unc.edu/~nick Chapel Hill NC

From boatanchors@sco.theporch.com Thu Apr 10 10:55:03 1997
From: "Ray Allen,W2KBR" <raallen@erols.com>
Subject: Ref. Books
Message-ID: <334C7817.227@erols.com>

Group: looking for RCA Receiving Tube book and RCA transmitting book circa 1970-1980 time frame. Any about?? THanks Ray W2KBR/3

From boatanchors@sco.theporch.com Wed Apr 9 21:02:16 1997
From: polepeeg@aa4rm.radio.org (Marty Reynolds' BA ID)
Subject: Re: RS-6 Worthwhile
Message-ID: <199704092249.SAA01812@aa4rm>

Hue, rather than re-locating the hot resistor or the electrolytic, try putting a piece of reflective AL foil .1" off cap to form a reflective thermal barrier. Oughta work FB OM

M

From boatanchors@sco.theporch.com Thu Apr 10 10:55:03 1997
From: MEC <danmec@inet.uni-c.dk>
Subject: Re: RS-6, a thought.
Message-ID: <Pine.3.89.9704100811.A25198-0100000@inet.uni-c.dk>

On Wed, 9 Apr 1997, Paul V. Gregory wrote:

> >....You've just finished encoding your message and began sending it, when
> > you hear a knock on the door! "Gestapo?"....

>

> No, pizza!

Having had a father who was taken by the Gestapo, I would say

NO CIGAR !

73 Rag LA5HE OZ8RO

>

>

From boatanchors@sco.theporch.com Thu Apr 10 10:55:03 1997

From: Ho4bart@aol.com

Subject: Re: Spooky Radios

Message-ID: <970410102545_-1033713668@emout11.mail.aol.com>

This was in my mail & i am forwarding it:

<< the HT 1-E series 25-50 Mc/s AM Village radio...part of the Vietnamization program. Bought by the State Department to "interconnect" VILLAGES!!!. Worked pretty well. The "E" series had a "destruct" button which fried the Tx PA's by saturating them and they were supposed to act like a fuse..they do! Pictures in the Sig Corps History in Vietnam!... >>

It occurred to me this might make an interesting branch of interest itself, radios of the Viet Nam war. This was probably the last conflict to use vacuum bulb radio, am i right? Probably right at the pivot point between all-tube & hybrid equipment versus all transistor, with all three types present at one time.

The variety of equipment & obscurity of some of it would seem to offer an interesting theme to persue.

Re serial numbers on "clandestine radio" equipment: i mentioned this in my comments on RS-6. I should have said that having seen numbers from SSTR-1, Mark III, CMS equipment, it seemed to me that the numbers were likely bogus, sometimes inflated, maybe. This is just semi-enlightened speculation on my part, naturally. Appreciate any input on this.

It boggles my mind to think that the CIA would have some 6000-9000 RS-6 radios. That seems unlikely as can be. maybe 1/10 that, i would think they could use, with the SAC having also having, maybe a couple hundred at most? but, i am ready to be informed.

hue miller

From boatanchors@sco.theporch.com Wed Apr 9 21:02:16 1997

From: k0wo@juno.com (BIGHORN MUSEUM OF AMATEUR RADIO)

Subject: Re: Still Left

Message-ID: <19970409.095123.8143.5.K0W0@juno.com>

The following is whats left of The Museums BA List

HALLICRAFTERS

HT-45 w/ pwr sply	HT-37	S-41G	
SX-101	HT-32	S-22R	
SX-71	S-38A	Mil Ver S-38D	
HA-1 keyer			

EF JOHNSON

Viking I	EFJ NYE/VIKING phone patch
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RME

4300	4350A
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WRL/GLOBE

Chief 90A	Chief Deluxe
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ELMAC

AF-54	AF-67	AF-68
PMR-7	PMR-8	

SWAN

500 w/117XC	250/TV2B/117XC	240
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GONSET

Communicator II (2mtr)	G-50
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HEATH

DX-20	DX-40	DX-60B	AT-1	2er	6er
HD-15 patch		HD-16 oscillator			Seneca

ELDICO

S-119 complete station (S-line clone)

CENTRAL ELECTRONICS

CE-20A

Thanks to all who have responded. You may phone me for prices and shipping etc.

73, Don K0PV

The Bighorn Museum

P.O. Box DX

Genoa, CO 80818-0119

(719) 763-2220 or (719) 763-2296

From boatanchors@sco.theporch.com Wed Apr 9 21:02:16 1997
From: Sandy W5TVW <ebjr@worldnet.att.net>
Subject: Trade: Books
Message-ID: <19970410015850.AAA18831@LOCALNAME>

I have the following books for trade, both in excellent condition:
CRC Handbook of Chemistry & Physics, 47th Edition. (1966-67) (Heavy!)
Radio Engineering-F.E.Terman, 3rd edition (1947)

Would like to trade for two of the following: ARRL Handbooks
1937-1940, 1946, or 1947 editions, or Frank C. Jones Radio Handbook 1937-1940
editions.

73,
E. V. Sandy Blaize, W5TVW
"Boat Anchors collected, restored, repaired, traded and used!"
417 Ridgewood Drive,
Metairie, LA., 70001
ebjr@worldnet.att.net
Looking for: 860 tubes, WL-460 tubes
Butternut HF2V antenna, G-R test gear.....*

From boatanchors@sco.theporch.com Wed Apr 9 21:02:16 1997
From: aculbert@pps1-po.phyp.uiowa.edu
Subject: UTC TRANSFORMER RATING QUESTION
Message-ID: <199704091850.NAA12289@ns-mx.uiowa.edu>

I bought a box of BIG transformers recently and need help on one. It is
obviously a multi match type audio or modulation transformer and bears only a
tag stating:

UTC CVP-5

Anyone have a listing for the beast and maybe even connection diagram?

Al, K0AL

allan-culbert@uiowa

From boatanchors@sco.theporch.com Wed Apr 9 21:02:16 1997
From: owens@stout.atd.ucar.edu (Chip Owens)
Subject: WANTED & FOR SALE
Message-ID: <199704091811.MAA06416@atd.atd.ucar.EDU>

WANTED:

*Eimac HR-7 heat radiator connector for 304TL,
this has an opening size of 0.127" diameter.

*UTC audio transformer pn. LS-47X

FOR SALE:

*Eimac SK-410 air-system socket for 3-500Z, 4-400A etc.
used, in good condition, have two at \$20 each.

*Eimac SK-406 chimney for 3-500Z, 4-400A, etc.
used, no chips or cracks, red lettering in good shape
have 2 of these, \$20 each.

*Stancor F-725 filament transformer for 4-1000A, 3-1000Z, etc.
primary: 115 or 230 volts, 60Hz.
secondary: 7.5v @ 25 amps
size: 4" x 4 3/8" x 5 1/4"
weight: 12 lbs.
used, good condition, tested and working good.
This is a potted/sealed military style transformer \$35

*Buyer pays shipping from zip code: 80303

Chip Owens, NW00